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Appl. No.: 10/825,491

Amdt. Dated January 16, 2007

Response to Office Action Mailed November 16, 2006

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this application.

1. (Currently Amended) A method for processing a chamfering of an eyeglass lens, comprising the steps of:

inputting a width of the chamfering and a range of the chamfering from a periphery of a lens shape at a position adjacent to a nose and/or a position far away from the nose;

obtaining a trace of the chamfering on a refractive surface of the eyeglass lens and displaying the trace of the chamfering by overlapping the lens shape;

displaying at least one of a width of an ear side, a range of an ear side, a width of a nose side, and a range of a nose side of the chamfering on a display means;

setting a chamfering shape of an edge surface of the eyeglass lens on the position adjacent to the nose based on the obtained trace of the chamfering; and

controlling and carrying out the processing of the chamfering of the eyeglass lens based on the set chamfering shape.

2. (Currently Amended) A method for processing a chamfering of an eyeglass lens, comprising the steps of:

inputting a width of the chamfering and a range of the chamfering from a periphery of a lens shape at a position adjacent to a nose and/or a position far away from the nose;

obtaining a trace for the chamfering on a refractive surface of the eyeglass lens, displaying the trace for the chamfering by overlapping the lens shape, and displaying an index for indicating any position of a radius vector of the lens shape on a periphery of the lens shape;

displaying a sectional shape of an edge of the eyeglass lens after the processing for the chamfering at the any position of the radius vector, the any position being indicated by the index;

displaying at least one of a width of an ear side, a range of an ear side, a width of a nose side, and a range of a nose side of the chamfering on a display means;

setting a chamfering shape of an edge surface of the eyeglass lens on the position adjacent to the nose based on the obtained trace of the chamfering; and

controlling and carrying out the processing of the chamfering of the eyeglass lens based on the set chamfering shape.

3-4. (Cancelled).

5. (Currently Amended) A method for processing a chamfering of an eyeglass lens, comprising the step of:

imputing a width of the chamfering and a range of the chamfering from a periphery of a lens shape at a position adjacent to a nose and/or a position far away from the nose;

obtaining a trace for the chamfering on a refractive surface of the eyeglass lens, displaying the trace for the chamfering by overlapping the lens shape, and displaying an index for indicating any position of a radius vector of the lens shape on a periphery of the lens shape;

displaying at least one of a width of an ear side, a range of an ear side, a width of a nose side, and a range of a nose side of the chamfering on a display means;

setting a chamfering shape of an edge surface of the eyeglass lens on the position adjacent to the nose based on the obtained trace of the chamfering; and

controlling and processing a chamfering of the edge surface of the eyeglass lens by changing a chamfering width of the edge surface so that a proportion between a width of a front bottom portion and a width of a back bottom portion is gradually changed, throughout all periphery of the eyeglass lens on the front and back bottom portions centered on a mountain or groove of a V shape of the edge surface on which a processing for the V shape or the groove is carried out.

6. (Currently Amended) A method for processing a chamfering of an eyeglass lens, comprising the step of:

inputting a width of the chamfering and a range of the chamfering from a periphery of a lens shape at a position adjacent to a nose and/or a position far away from the nose;

obtaining a trace for the chamfering on a refractive surface of the eyeglass lens, displaying the trace for the chamfering by overlapping the lens shape, and displaying an index for indicating any position of a radius vector of the lens shape on a periphery of the lens shape;

displaying at least one of a width of an ear side, a range of an ear side, a width of a nose side, and a range of a nose side of the chamfering on a display means;

setting a chamfering shape of an edge surface of the eyeglass lens on the position adjacent to the nose based on the obtained trace of the chamfering; and

controlling and processing a chamfering of the edge surface of the eyeglass lens by changing a width of the chamfering of the edge surface so that a width of a front bottom portion, a width of a back bottom portion and the chamfering width of the edge surface become optimum sizes, throughout all periphery of the eyeglass lens on the front and back bottom portions centered on a mountain or groove of a V shape of the edge surface on which a processing for the V shape or the groove is carried out.

7-8. (Cancelled).